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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,907	02/12/2004	Kulvir Singh Bhogal	AUS920030861US1	6078
28722	7590	01/19/2006	EXAMINER	
BRACEWELL & PATTERSON, L.L.P.			FIGUEROA, FELIX O	
P.O. BOX 969			ART UNIT	
AUSTIN, TX 78767-0969			PAPER NUMBER	
			2833	

DATE MAILED: 01/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/777,907	Applicant(s) BHOGAL, KULVIR SINGH	
	Examiner Felix O. Figueroa	Art Unit 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 February 2004 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2/12/04</u> | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Specification

The specification is objected because any abbreviation must be written out initially. Therefore, "LAN" in ¶0002, should be written out initially.

The use of the trademark FIREWIRE has been noted in this application. It should be capitalized wherever it appears and be accompanied by the generic terminology. Please note that each letter of the word should be capitalized or include a proper trademark symbol, such as ™ or © following the word.

Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

Drawings

The drawings are objected to under 37 CFR 1.84(l). Every line, number, and letter must be durable, clean, black (except for color drawings), sufficiently dense and dark, and uniformly thick and well- defined. The weight of all lines and letters must be heavy enough to permit adequate reproduction.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet,

and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claims 3-14 are objected to because of the following informalities:

In claim 3 line 2, "the center" and "the longest dimension" lack antecedent basis.

In claim 4 line 2, "USB" should be written out initially.

In claim 6 line 13, "the space" lacks antecedent basis.

In claim 8 line 6, "the center" and "the longest dimension" lack antecedent basis.

In claim 12 line 2, "the person" and "the user" lack antecedent basis.

In claim 13 line 2, "USB" should be written out initially.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8 and 12-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Huang (US 6,786,743).

Huang discloses a communication connector structure embedded within a personal electronic device, comprising: a communication port (27); and a rigid first arm (25) structure attached to the communication port, wherein the first arm structure has a hinge mechanism (at 24) fixedly attached thereto that is adapted for attachment to a personal electronic device (2) such that the communication connector structure is rotatably mounted to the personal electronic device, and having electrical connections to the communication port that provide communication between a device (not shown) connected to the communication port and the personal electronic device attached to the hinge mechanism.

Regarding claim 2, Huang discloses a rigid second arm structure (26) attached between the communication port and the first arm structure, wherein the communication port is attached to one end of the second arm structure and the first arm structure is rotatably connected to another end of the second arm structure.

Regarding claim 3, Huang discloses the second arm structure swiveling about an axis running through the center of the longest dimension of the first arm structure (see Figs.9&11).

Regarding claims 4 and 5, Huang discloses that the communication port is a USB port or a FIREWIRE port (col.2 line 65 to col.3 line 1).

Regarding claim 6, Huang discloses a personal electronic device having an embedded communication connector, comprising: a body (2); a communication connector structure, comprising: a communication port (27); and a rigid first arm (25) structure attached to the communication port, wherein the first arm structure has a hinge mechanism (at 24) fixedly attached thereto and attached to the body such that the communication connector structure is rotatably mounted to the personal electronic device, and having electrical connections to the communication port that provide communication between a device connected to the communication port and the personal electronic device attached to the hinge mechanism; an inset region (see Fig.8) within the body, inset from the surface of the body, adapted to permit the communication connector structure to occupy the space within the inset region, and wherein the hinge mechanism is positioned on the rigid first arm structure and attached to the body such that the communication connector structure occupies the inset region when rotated in a first position (Fig.8) and extends outside the inset region when rotated in a second position (Fig.9).

Regarding claim 7, Huang discloses the communication connector structure being rotatably mounted to the personal electronic device by the hinge mechanism such that the communication connector structure is in a embedded position when occupying the inset region of the personal electronic device, and being in an operational position for connection with a device when the communication connector structure is rotated about a hinged point in the hinge mechanism such that the communication connector

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structure is moved from the embedded position and the communication port is moved outside the inset region into a position for mating with another device.

Regarding claim 8, Huang discloses a rigid second arm structure (26) attached between the communication port and the first arm structure, wherein the communication port is attached to one end of the second arm structure and the first arm structure is rotatably connected to another end of the second arm structure, wherein the second arm structure rotates about an axis running through the center of the longest dimension of the first arm.

Regarding claim 12, Huang discloses the personal electronic device being a portable device adapted to be carried on the person of the user of the personal electronic device.

Regarding claims 13 and 14, Huang discloses that the communication port is a USB port or a FIREWIRE port (col.2 line 65 to col.3 line 1).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 9-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Huang.

Huang discloses substantially the claim invention except for the specific type of personal electronic device. It would have been obvious to one of ordinary skill in the art

at the time the invention was made to use the connector structure of Huang in a number of known devices, such as PDA's, cellular phones, and notebook computers, in order to provide multiple connecting orientations and secure space when the port is not in use.


Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felix O. Figueroa whose telephone number is (571) 272-2003. The examiner can normally be reached on Mon.-Fri., 10:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571) 272-2800 Ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Felix O. Figueroa
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